ISC | INTEGRATION SERVICES CENTER

Service Description:
FTP Service (Titan)

Version #	Change Description	Owner
1.0	Initial Version	Ian Sebright

Purpose

The purpose of this document is to provide a general description of the FTP to Titan Web Service.

General Description

CITFTPService is client service used upload a file to TITAN, download a file from TITAN, delete a file from TITAN, and rename a file on TITAN. The service is invoked via SOAP over HTTPS. The SOAP header must include a valid AD account name and password to the process, and the full path and name of a file on which to perform the operation. On the renaming of a file, a new file name with full path is also required.

Operations

This service allows a user to either upload or download a file to the TITAN MVS, or delete or rename a file on the TITAN MVS.

Input Schema

The input schema consists of nine parameters:

Username	Username for login onto the FTP (TITAN) server.
Password	Password for login onto the FTP (TITAN) server.
LocalFileName	This input item specifies the name and path of the local file where the contents of the retrieved file should be written.
RemoteFilename	The path and name of the file to retrieve from the remote server. Wildcards (? for any one character, * for one or more characters) are permitted in this field.

The service tests the FTPAction property of the JMS Queue to see if the Action is to Get, Put, Delete or Rename.

D	Complex Type	Derives From	Content	Content Model
T	FTPGetAbstractType		Elements	RemoteFileName , LocalFileName?
E	FTPGetAbstractType/RemoteFileName		Typed	FileNameType
E	FTPGetAbstractType/LocalFileName		Typed	FileNameType
T	FTPGetType	e_FTPGetAbstractType	Elements	
E	FTPGet		Typed	FTPGetType
T	FTPDeleteAbstractType		Elements	RemoteDirectoryName? , RemoteFileName
E	FTPDeleteAbstractType/RemoteDirectoryName		Typed	DirectoryNameType
E	FTPDeleteAbstractType/RemoteFileName		Typed	FileNameType
T	FTPDeleteType	e_FTPDeleteAbstractType	Elements	
E	FTPDelete		Typed	FTPDeleteType
T	FTPPutAbstractType		Elements	RemoteFileName , LocalFileName
E	FTPPutAbstractType/RemoteFileName		Typed	FileNameType
E	FTPPutAbstractType/LocalFileName		Typed	FileNameType
T	FTPPutType	e_FTPPutAbstractType	Elements	
E	FTPPut		Typed	FTPPutType
T	FTPRenameAbstractType		Elements	RemoteFileName , RemoteDirectoryName?
E	FTPRenameAbstractType/RemoteFileName		Typed	FileNameType
E	FTPRenameAbstractType/RemoteDirectoryName		Typed	DirectoryNameType
T	FTPRenameType	e_FTPRenameAbstractType	Elements	NewRemoteFileName? , NewRemoteDirector...
E	FTPRenameType/NewRemoteFileName		Typed	FileNameType
E	FTPRenameType/NewRemoteDirectoryName		Typed	DirectoryNameType
E	FTPRename		Typed	FTPRenameType
T	FTPCredsAbstractType		Empty	
T	FTPCredsType	e_FTPCredsAbstractType	Elements	UserName , Password
E	FTPCredsType/UserName		Typed	FTPUserNameType
E	FTPCredsType/Password		Typed	FTPPasswordType
E	FTPCreds		Typed	FTPCredsType
T	FTPErrorAbstractType		Elements	Code , Message
E	FTPErrorAbstractType/Code		Typed	xsd:string
E	FTPErrorAbstractType/Message		Typed	xsd:string
T	FTPErrorType	e_FTPErrorAbstractType	Elements	
E	FTPError		Typed	FTPErrorType

Output schema

The output from the service is defined by the wsdl:

D	Complex Type	Derives From	Content	Content Model	Attributes
T	FTPActionAbstractType		Elements	FTPGet*	FTPDelete*	FTPRename*	FTPPut*	
E	FTPActionAbstractType/FT...		Typed	ftp:FTPGetType	
E	FTPActionAbstractType/FT...		Typed	ftp:FTPDeleteType	
E	FTPActionAbstractType/FT...		Typed	ftp:FTPRenameType	
E	FTPActionAbstractType/FT...		Typed	ftp:FTPPutType	
T	FTPActionType	e_FTPActionAbstractTy...	Elements		
E	FTPAction		Typed	FTPActionType	
T	FTPRequestAbstractType		Empty		
T	FTPRequestType	e_FTPRequestAbstrac...	Elements	UserNameToken , FTPAction	
E	FTPRequestType/UserNa...		Typed	ftp:FTPCredsType	
E	FTPRequest		Typed	FTPRequestType	
T	FTPResponseTypeAbstract		Empty		
T	FTPResponseType	e_FTPResponseType...	Elements	FTPAction	FTPError	
E	FTPResponse		Typed	FTPResponseType	
T	FTPErrorAbstractType		Elements	ErrorCode , ErrorMessage	
E	FTPErrorAbstractType/Erro...		Typed	xsd:string	
E	FTPErrorAbstractType/Erro...		Typed	xsd:string	
T	FTPErrorType	e_FTPErrorAbstractType	Elements		
E	FTPError		Typed	FTPErrorType	
E					

Use Cases
1. A person IC prepares data and uploads it to the ftp.titan.nih.gov site.
2. The FTP service is used to move the data from titan.nih.gov into a file local to the Tibco server.
3. The data is extracted from the file and loaded into a database by another Tibco process

Contact Information

For additional information on this web service, contact CITISCAdmins@mail.nih.gov.